

Remarks

Claim Objections

Claim 15 was objected to because the phrase “plurality of streams” should be replaced with “plurality of stream” in line 5. Claim 15 has been amended accordingly.

Claim Rejections – 35 USC 112

Claims 3-5 were rejected under 35 USC §112, second paragraph because claim 3 recites the limitation “the channel” in line 3. There is insufficient antecedent basis for this limitation. Claim 3 has been amended accordingly.

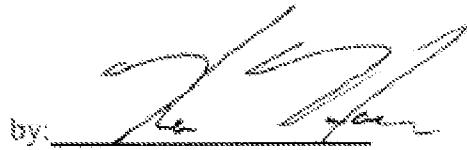
Claim 10 was rejected under 35 USC §112, second paragraph because the claim recites the limitation “an initial value of the channel vector” and “a statistical nature of the channel vector” in lines 4 and 5 respectively. There is insufficient antecedent basis for these limitations. Claim 10 has been appropriately amended.

Claims 31-39 were rejected under 35 USC §112, second paragraph because claim 31 recites the limitation “based on a statistical nature of the channel vectors and a noise power” in line 6. No prior calculation or determination of “the channel vector” has been mentioned in the claim. Claim 31 has been amended accordingly.

No amendment made was related to the statutory requirements of patentability unless expressly stated herein; and no amendment made was for the purpose of narrowing the scope of any claim, unless Applicant has argued herein that such amendment was made to distinguish over a particular reference or combination of references. As the Applicant has overcome all substantive rejections given by the Examiner the Applicant contends that this Amendment, with the above discussion, overcomes the Examiner's rejections to the pending claims. Therefore, the Applicant respectfully requests allowance of the application. If the Examiner is of the opinion that any issues regarding the status of the claims remain after this response, the Examiner is invited to contact the undersigned representative to expedite resolution of the matter.

Finally, please charge any fees (including extension of time fees) or credit overpayment to Deposit Account No. 502117.

Respectfully Submitted,
Thomas, ET AL.

A handwritten signature in black ink, appearing to read "KETH A. HAAS", is written over a horizontal line.

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